



## Percent and ratios: Practice Questions Competitive Exams

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1. If a discount of 20% off the retail price of a table saves Mark \$45, how much did he pay for the table?
  - a. \$145
  - b. \$160
  - c. \$180
  - d. \$210
  - e. \$215

Answer: c

2. A customer pays \$1, 100 in state taxes on a newly purchased racing car. What is the value of the racing car if state taxes are 8.9% of the value?
  - a. \$9,765.45
  - b. \$10, 876.90
  - c. \$12, 359.55
  - d. \$14, 345.48
  - e. \$15, 745.45

Answer: c

3. How many years does Ben need to invest his \$3, 000 at 7% to earn \$210 in simple interest?
  - a. 1 year
  - b. 2 years
  - c. 3 years
  - d. 4 years
  - e. 5 years

Answer: a

4. Sina's boss state that she will increase Sabrina's salary from \$12, 000 to \$14, 000 per year if she enrolls in business courses at a local community college. What percent increase in salary will result from Sina taking the business courses?

- a. 15%
- b. 16.7%
- c. 17.2%
- d. 85%
- e. 117%

Answer: b

5. 35% of what number is 70?

- a. 100
- b. 110
- c. 150
- d. 175
- e. 200

Answer: e

6. What number is 5% of 2000?

- a. 50
- b. 100
- c. 150
- d. 200
- e. 250

Answer: b

7. What percent of 90 is 27?

- a. 15%
- b. 20%
- c. 30%
- d. 33%

e. 41%

Answer: c

8. Jack works for \$15.50 per hour for a health care facility. He is supposed to get a 75 cent per hour raise at one year of service. What will his percent increase in hourly pay be?

a. 2.7%

b. 3.3%

c. 133%

d. 4.8%

e. 105%

Answer: d

9. If 45 is 120% of a number, what is 80% of the same number?

a. 30

b. 32

c. 36

d. 38

e. 41

Answer: a

10. How long will Lily have to wait before for her \$2,500 invested at 6% earns \$600 in simple interest?

a. 2 years

b. 3 years

c. 4 years

d. 5 years

e. 6 years

Answer: c

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